

Webtable 3 Circulating 25-(OH)D3 concentration (standardised by month of blood collection) and the risk of cancers of the colorectum, colon, and rectum.

Quintile cut-points (nmol/L)	Quintiles of standardised circulating 25-(OH)D3 concentration					P for trend
	1 (Reference) ≤40.2	2 >40.2 to ≤53.0	3 >53.0 to ≤64.2	4 >64.2 to ≤79.8	5 >79.8	
Colorectum						
Mean (SD), median (nmol/L)	32.7 (8.0), 34.4	47.8 (3.2), 47.7	58.6 (3.2), 58.2	71.2 (4.4), 70.8	102.5 (31.4), 98.9	
Number of cases/co ntrols	318/250	265/250	253/250	210/249	202/249	
Matchin g factors*	1.00	0.82 (0.65 to 1.05)	0.78 (0.60 to 1.00)	0.63 (0.49 to 0.82)	0.61 (0.47 to 0.79)	<0.001
Multivar iate adjusted †	1.00	0.80 (0.62 to 1.03)	0.78 (0.60 to 1.01)	0.62 (0.48 to 0.82)	0.62 (0.47 to 0.81)	<0.001
Colon						
Mean (SD), median (nmol/L)	32.5 (7.7), 34.2	47.8 (3.2), 47.7	58.6 (3.2), 58.2	71.3 (4.6), 70.7	101.5 (25.4), 94.0	
Number of cases/co ntrols	214/148	169/164	160/160	129/164	113/149	
Matchin g factors*	1.00	0.70 (0.51 to 0.95)	0.66 (0.48 to 0.91)	0.51 (0.37 to 0.71)	0.49 (0.35 to 0.69)	<0.001
Multivar	1.00	0.69 (0.50	0.65 (0.46	0.50 (0.35	0.51 (0.35	<0.001

	Quintiles of standardised circulating 25-(OH)D3 concentration					P for trend
	1 (Reference)	2	3	4	5	
Quintile cut-points (nmol/L)	≤40.2	>40.2 to ≤53.0	>53.0 to ≤64.2	>64.2 to ≤79.8	>79.8	
Rate adjusted †		to 0.94)	to 0.91)	to 0.71)	to 0.73)	
Rectum						
Mean (SD), median (nmol/L)	33.0 (7.7), 34.6	47.7 (3.2), 47.7	58.5 (3.2), 58.5	71.0 (4.1), 70.9	103.9 (38.7), 93.2	
Number of cases/controls	104/102	96/86	93/90	81/85	89/100	
Matching factors*	1.00	1.09 (0.73 to 1.63)	1.02 (0.68 to 1.55)	0.92 (0.60 to 1.41)	0.86 (0.58 to 1.29)	0.345
Multivariate adjusted †	1.00	1.13 (0.73 to 1.74)	1.00 (0.63 to 1.59)	0.88 (0.56 to 1.41)	0.79 (0.51 to 1.24)	0.198

Values are incidence rate ratio (95% confidence interval).

*Model based on matching factors only.

†Model based on matching factors plus further adjustments for smoking status/duration/intensity, body mass index, total physical activity, education level, total dietary energy consumption, and intake of total fruits, vegetables, meats/meat products, and alcohol. Circulating 25-(OH)D3 concentrations were standardised by month of blood collection as follows: residuals derived from a simple regression model fitted to circulating 25-(OH)D3 concentration by month of blood collection were added to the overall mean circulating 25-(OH)D3 values.